

Fig. 1 PRIOR ART

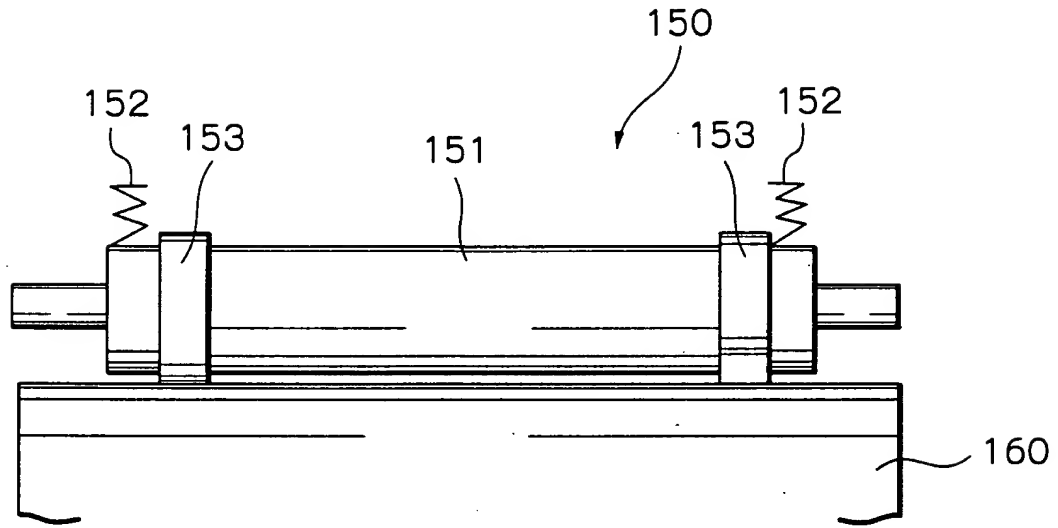


Fig. 2 PRIOR ART

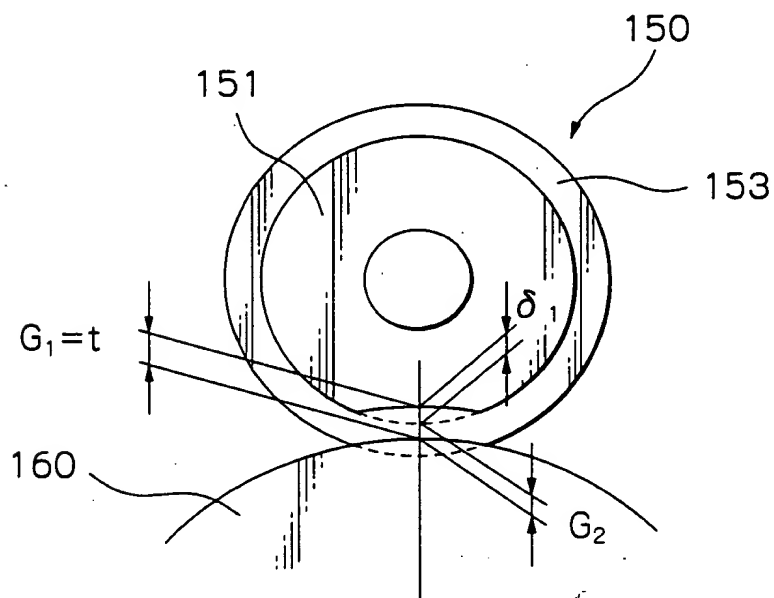


Fig. 3

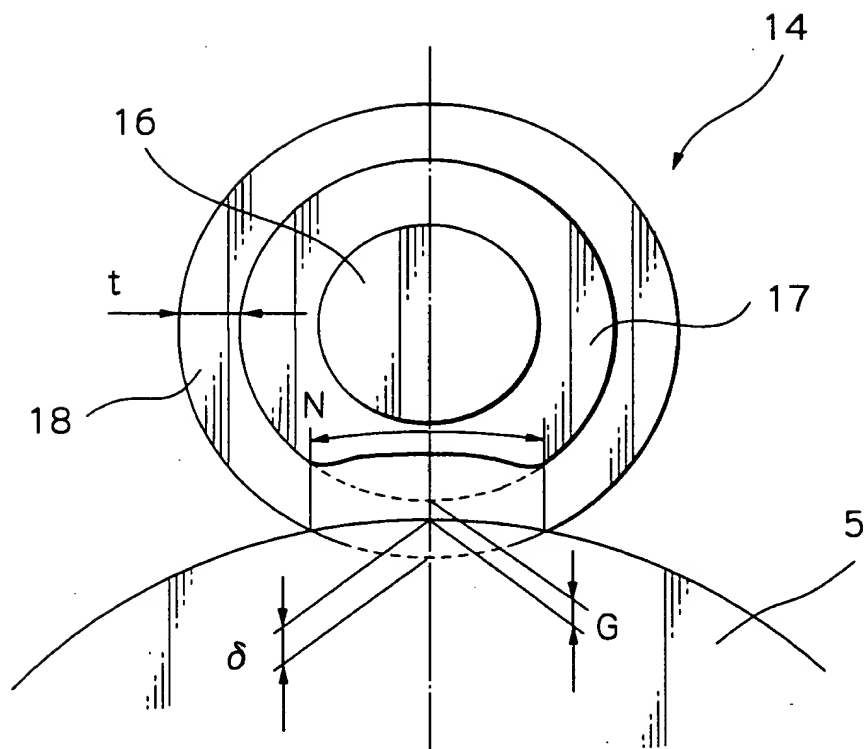


Fig. 4

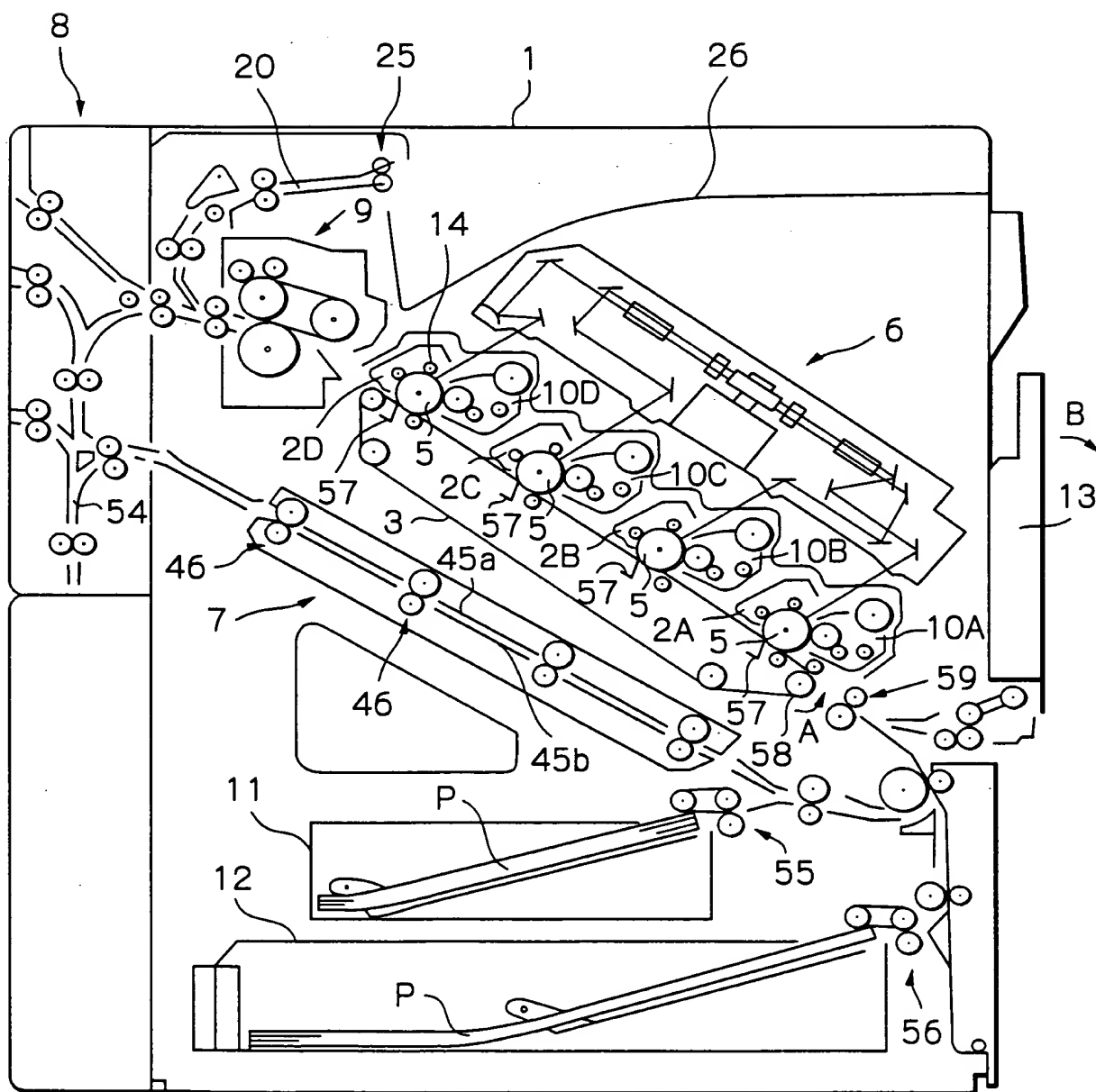


Fig. 5

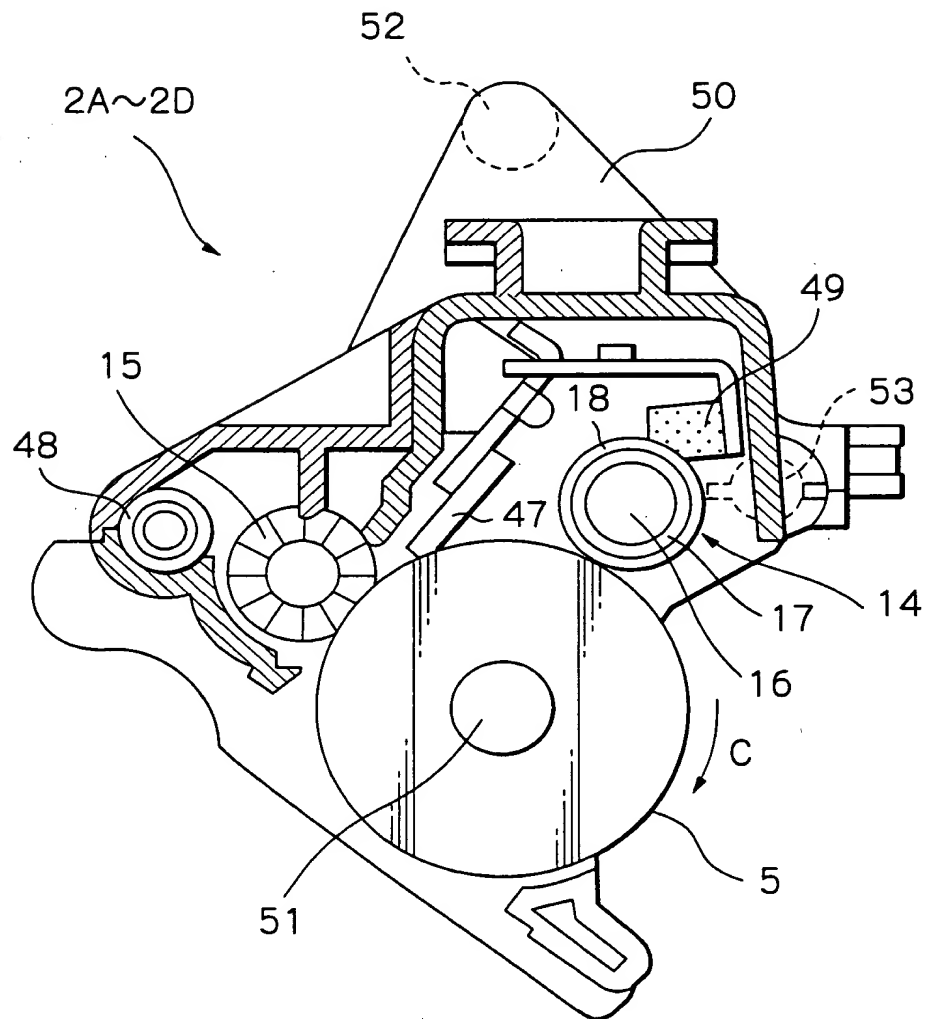


Fig. 6

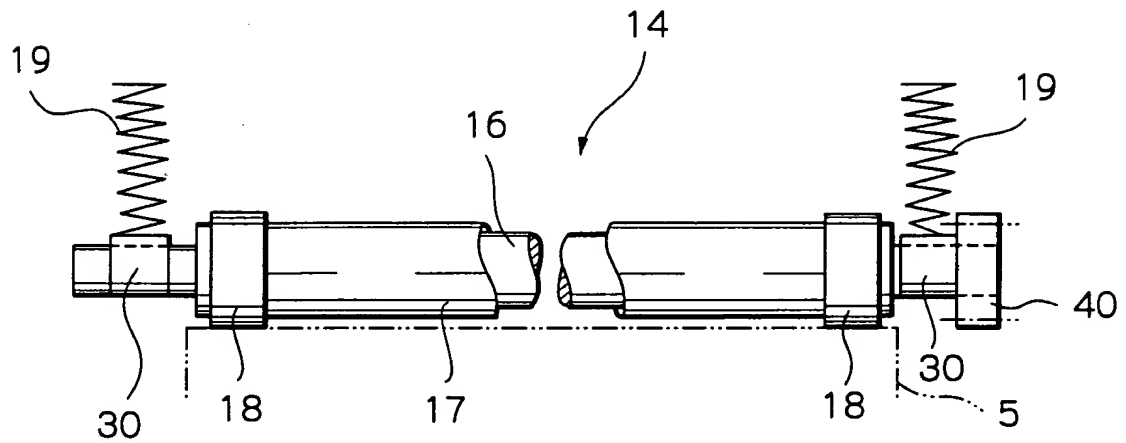


Fig. 7

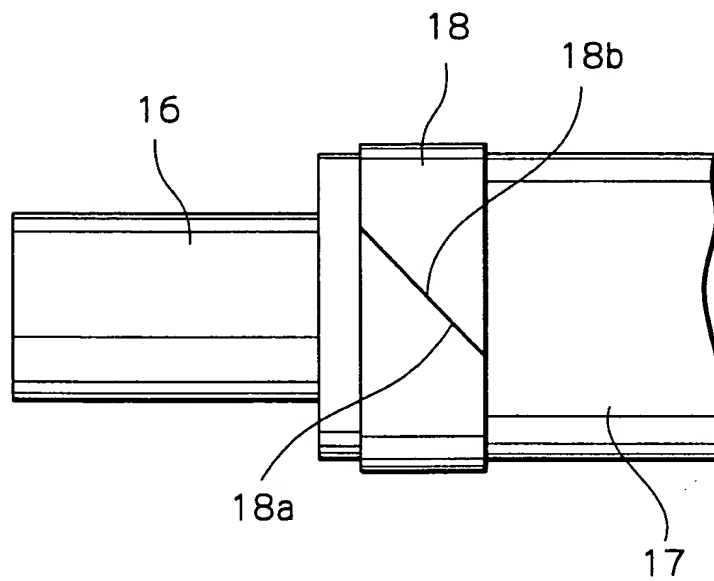


Fig. 8

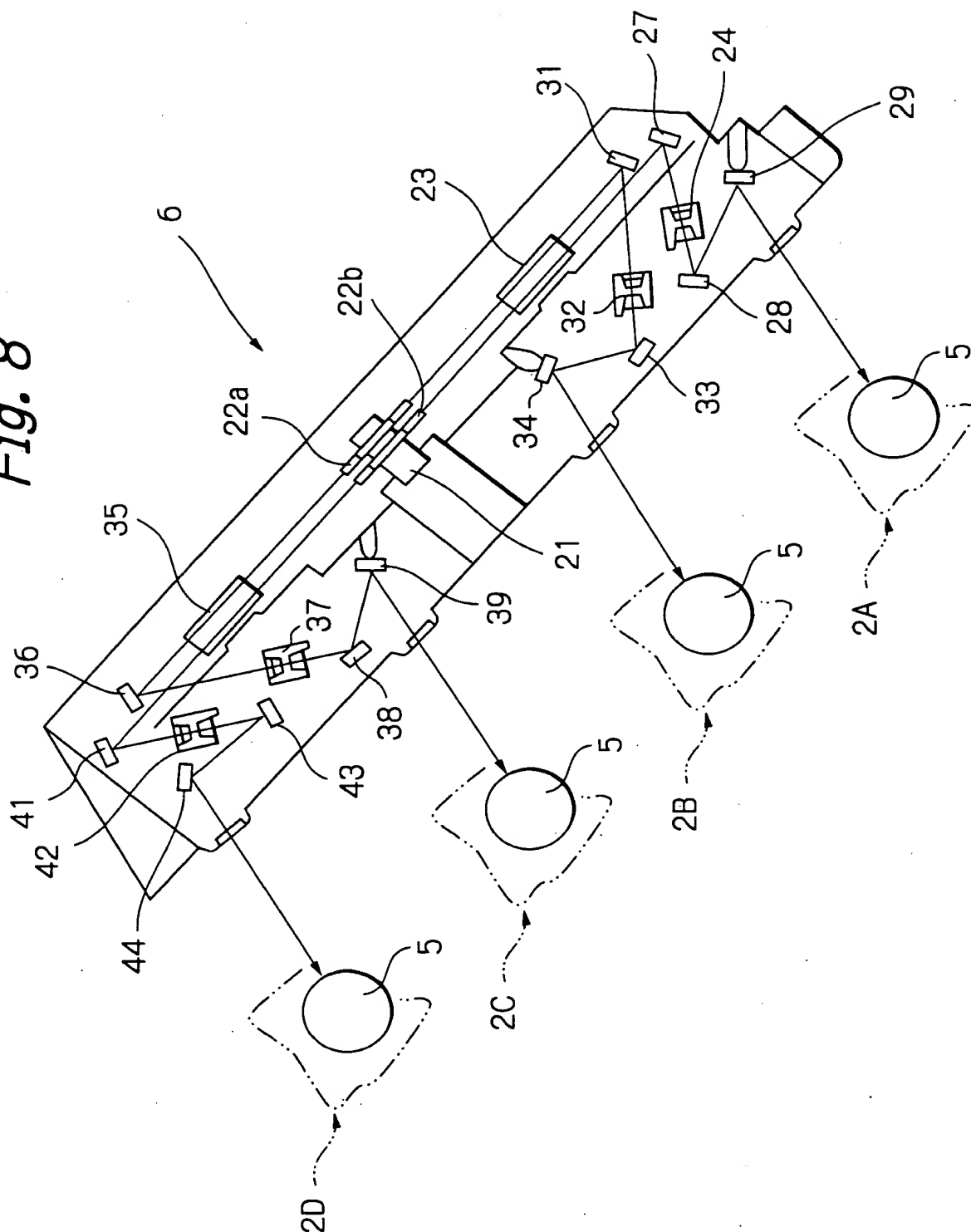


Fig. 9

CHARGE ROLLER	CORE	RUBBER THICKNESS	ROLLER HARDNESS	FILM	FILM THICKNESS	FILM WIDTH
SAMPLE # 1	φ 9	1.5 mm	75	PF025-H	60 μm	8 mm
SAMPLE # 2	φ 8	2 mm	65	PF050-H	85 μm	8 mm
SAMPLE # 3	φ 8	3 mm	60	ABSENT; CONTACT	-	-
SAMPLE # 4	φ 8	3 mm	60	PF075-H	105 μm	8 mm
SAMPLE # 5	φ 8	3 mm	60	PF075-H	100 μm	8 mm

Fig. 10

CHARGE ROLLER	DEFORMATION	NIP WIDTH	INITIAL CHARGING ABILITY	LONG-TERM CHARGING ABILITY	INITIAL CHARGING NOISE
SAMPLE # 1	20 μ m	1 mm	○	○	○
SAMPLE # 2	40 μ m	1.4 mm	○	○	○
SAMPLE # 3	-	-	○	×	×
SAMPLE # 4	60 μ m	1.7 mm	×	○	○
SAMPLE # 5	60 μ m	1.7 mm	○	○	○

Fig. 11

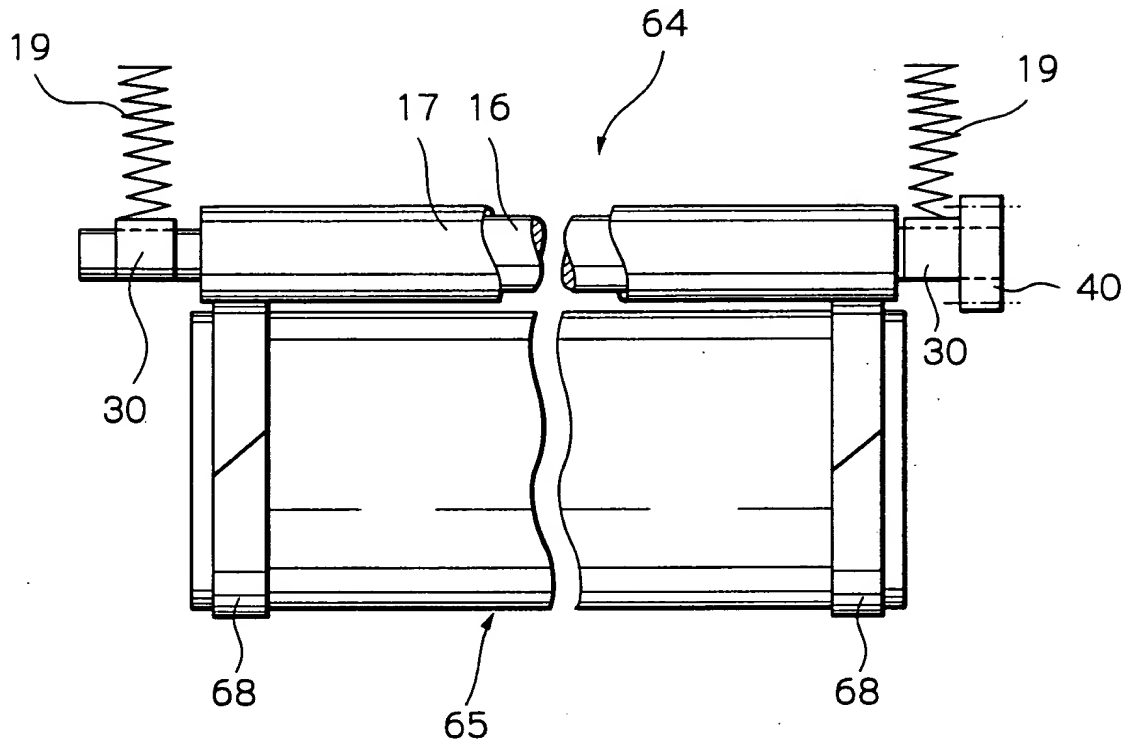


Fig. 12

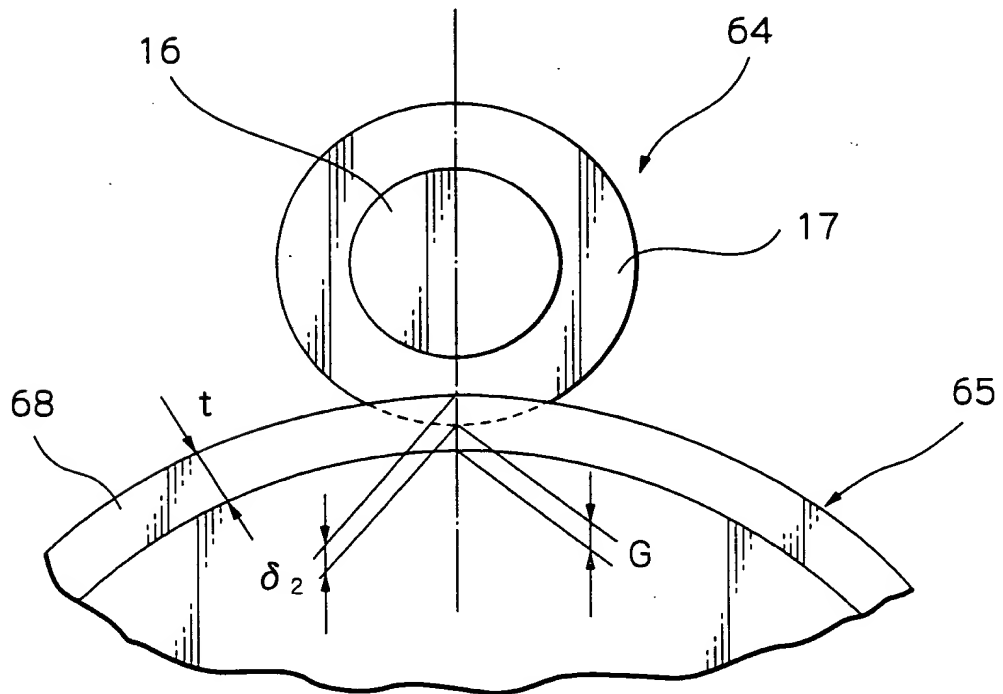


Fig. 13

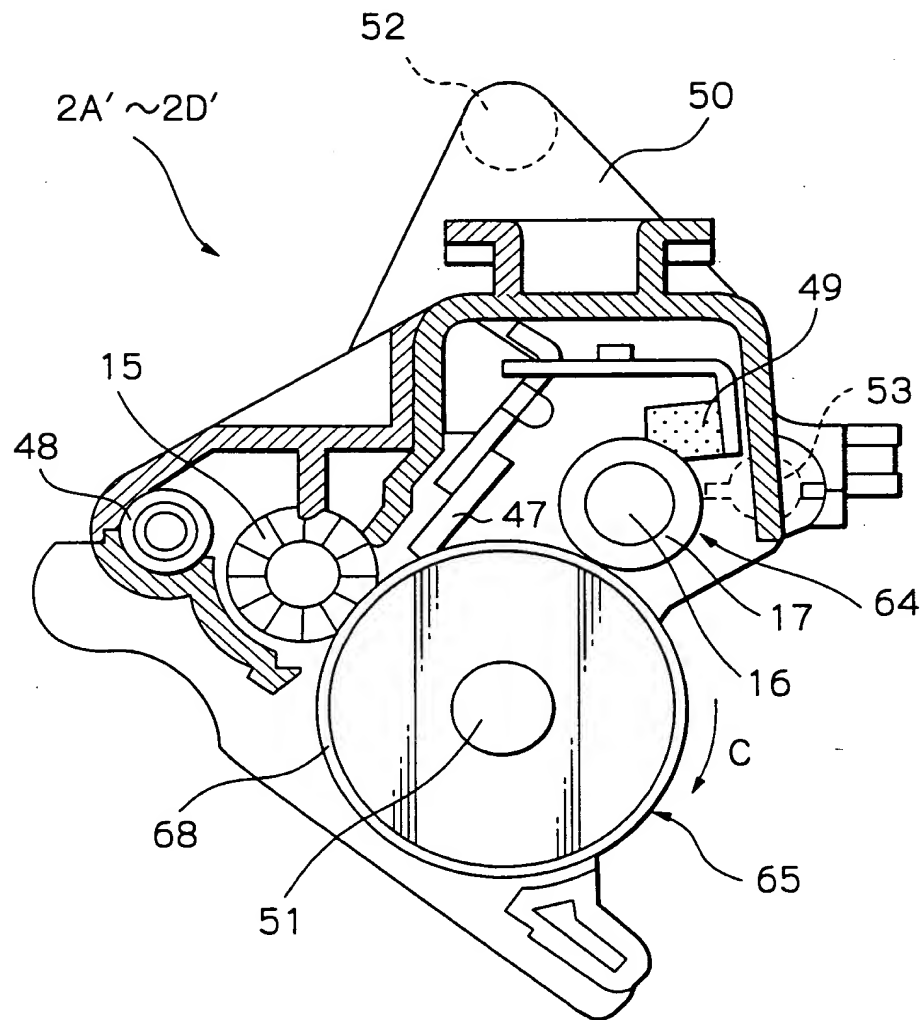


Fig. 14

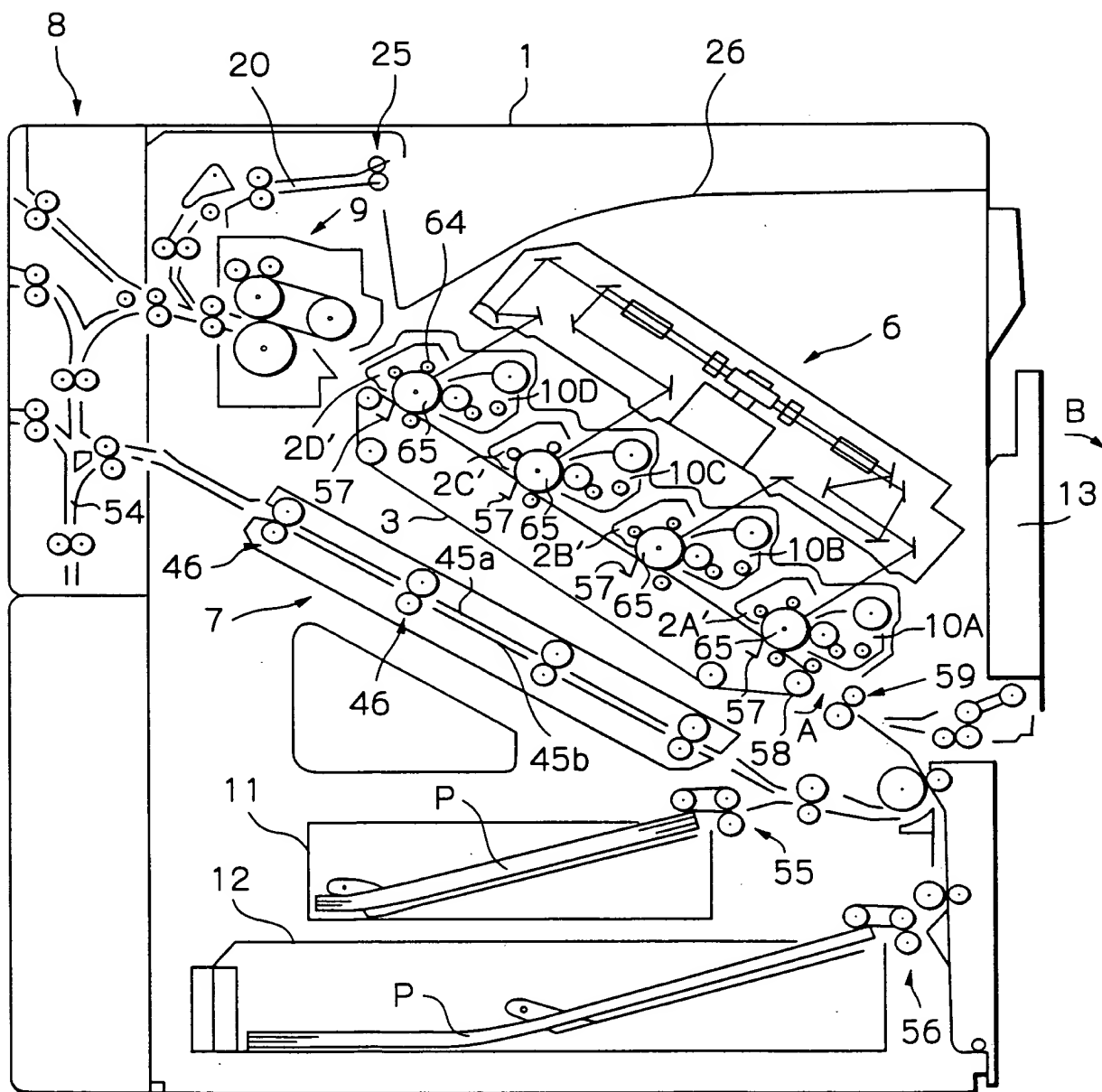


Fig. 15

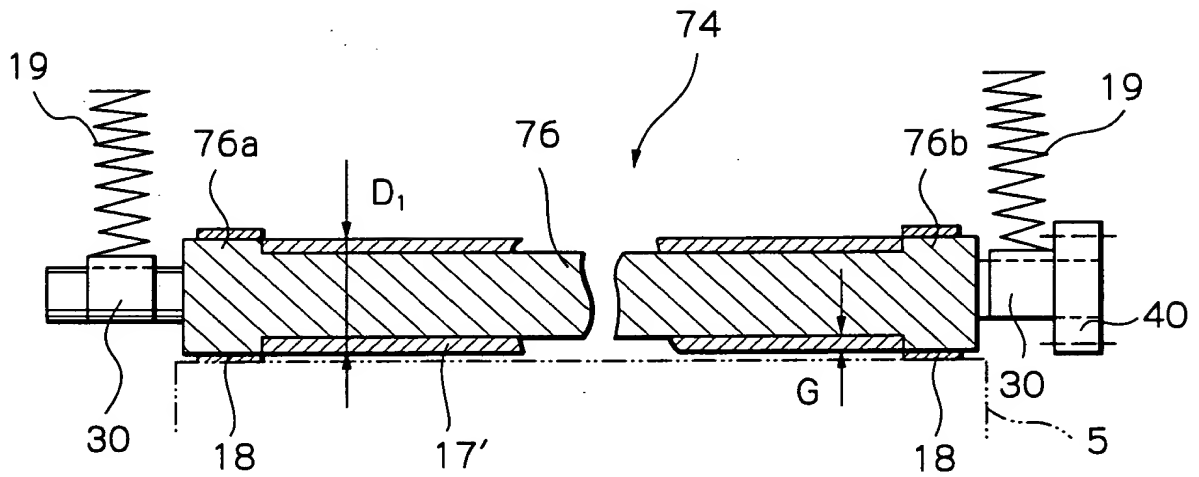


Fig. 16

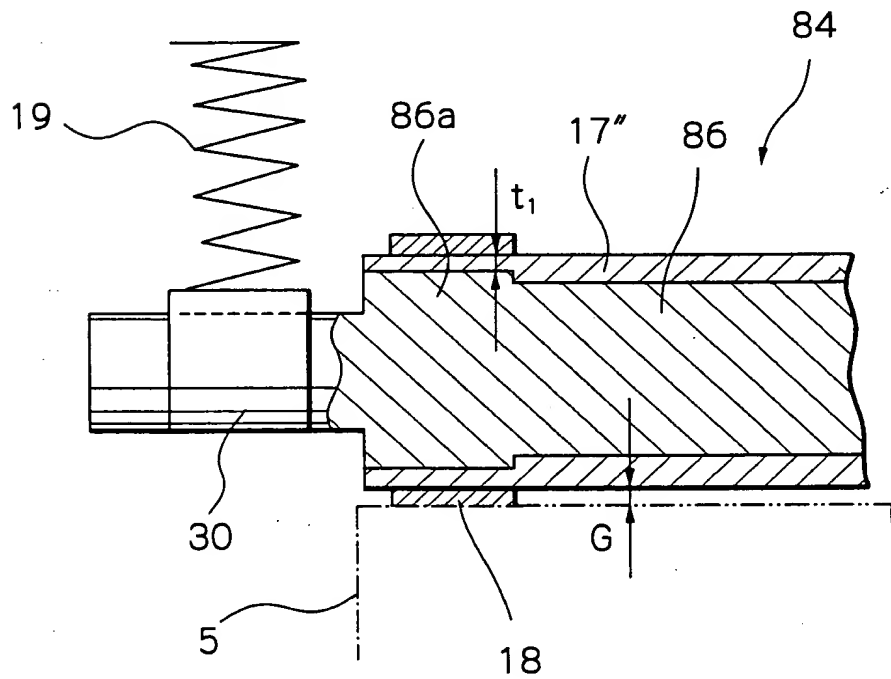


Fig. 17

